Free Weather Data Sources on the Web for Pilots



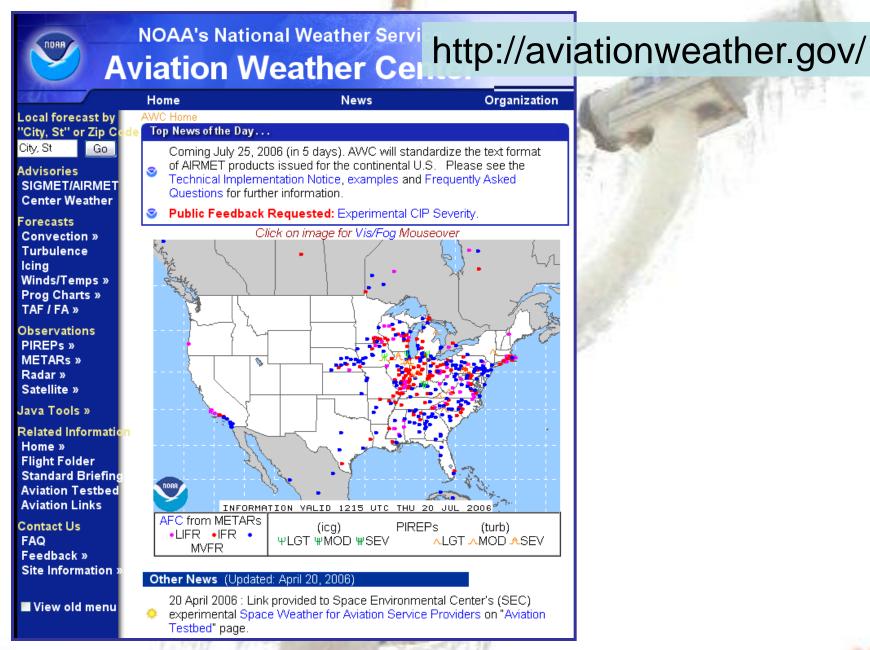
Let's Get Started...

"There's no reason to become alarmed, and we hope you'll enjoy the rest of your flight...

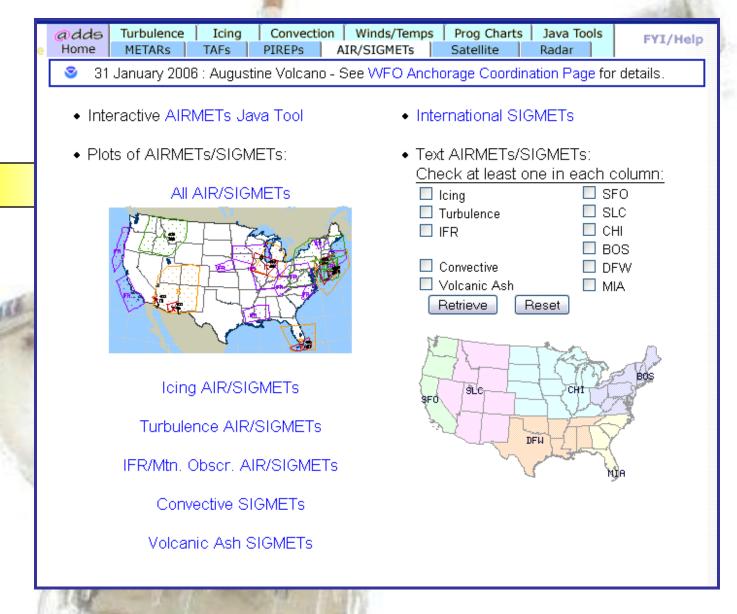
By the way, is there anyone on board who knows how to fly a plane?"

Elaine Dickinson, Flight Attendant *Airplane* (1980)

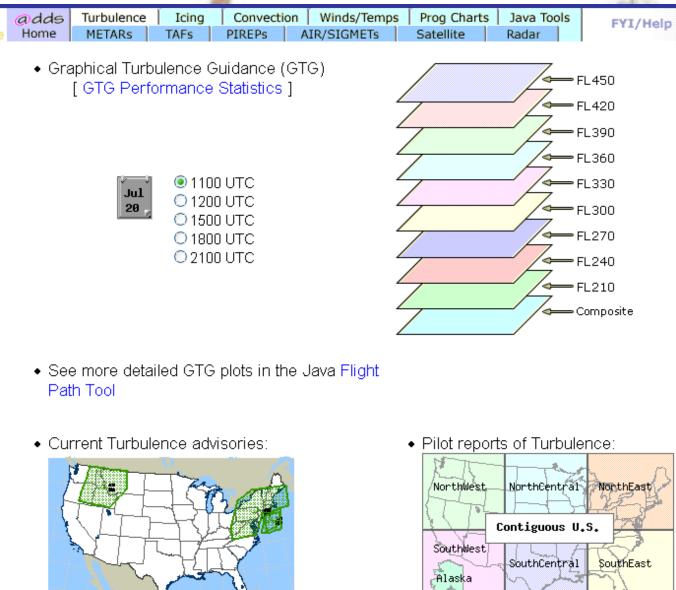




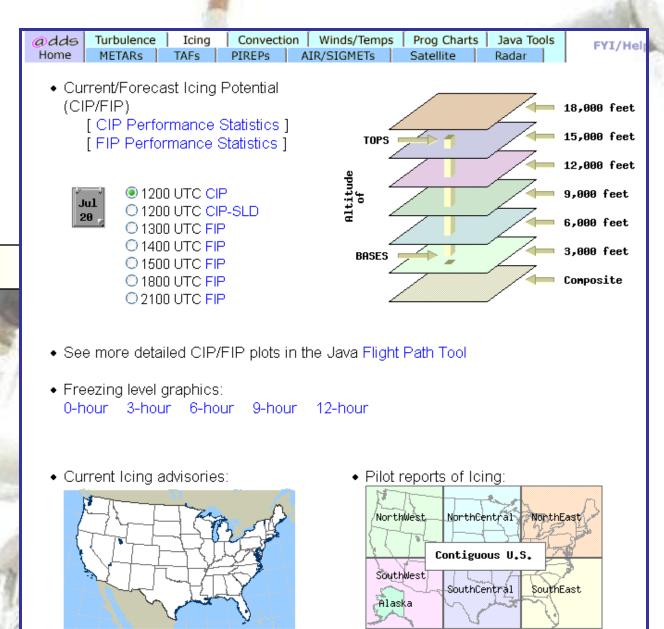


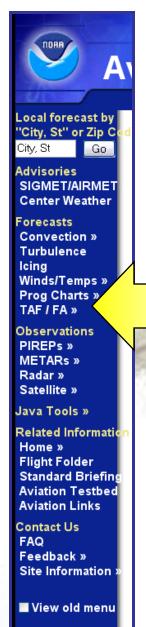


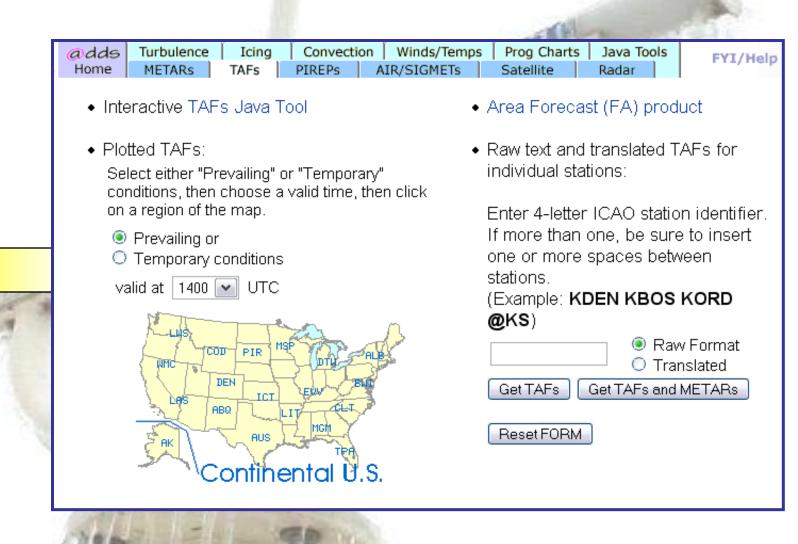


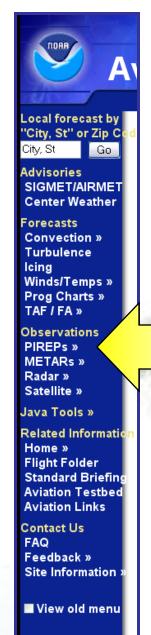


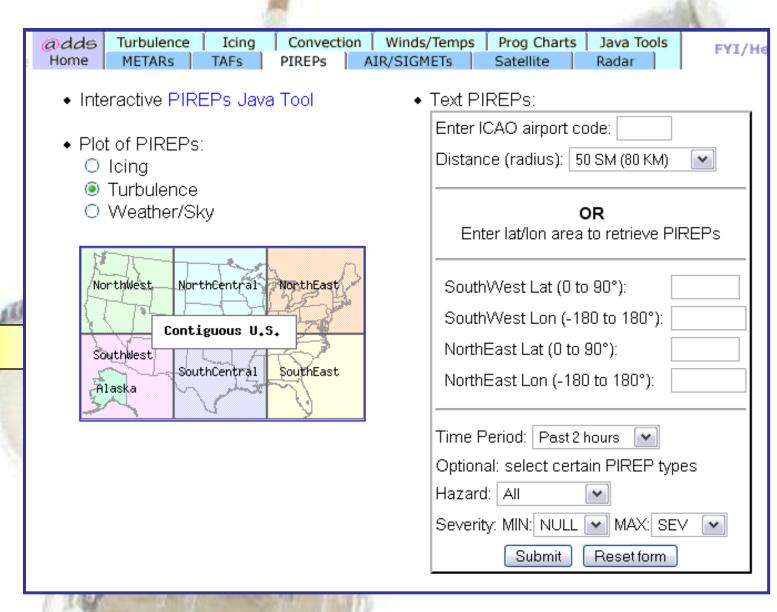


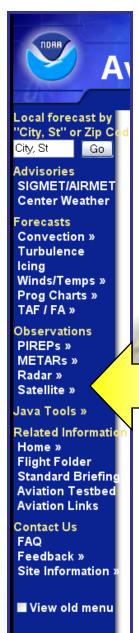


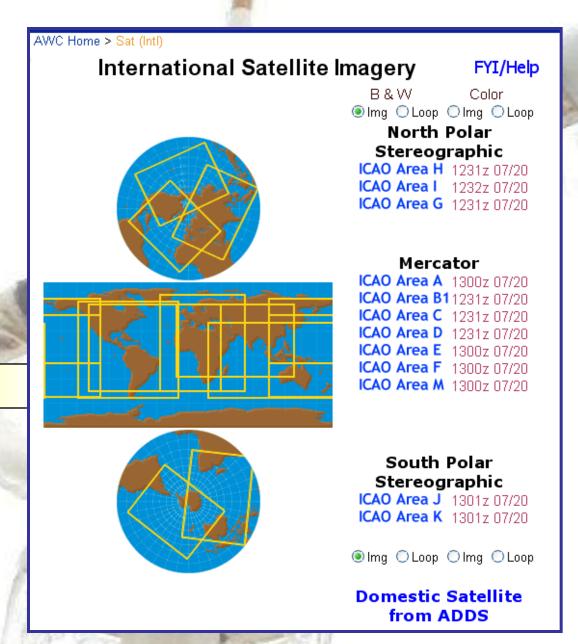










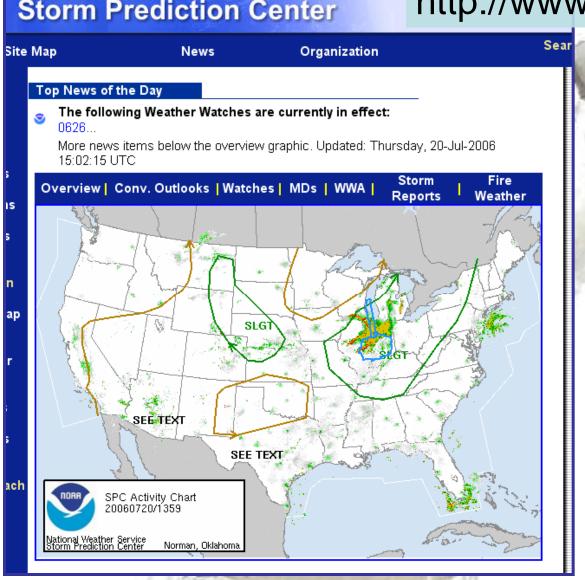


How's This for a Landing!?



NWS Storm Prediction Center

Storm Prediction Center http://www.spc.noaa.gov/



NWS Storm Prediction Center

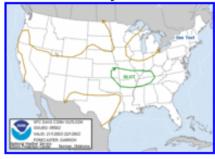
Current Convective C

Current Day 1 Outlook



Forecaster: IMY Issued: 20/12392 Valid: 20/1300Z -Forecast Risk o

Current Day 2 Outlook



Forecaster: DAF Issued: 20/05582 Valid: 21/1200Z -Forecast Risk o

Current Day 3 Outlook



Forecaster: DAF Issued: 20/07232 Valid: 22/1200Z -Forecast Risk o Tstms Note:The thunder line is r Outlook.

Experimental Enhanced Thunderstorm Outlooks

Updated: Thu Jul 20 12:27:03 UTC 2006

Note:The Enhanced Thunderstorm Outlooks are experimental and we are seeking comments from April 1, 2006 to September 1, 2006.

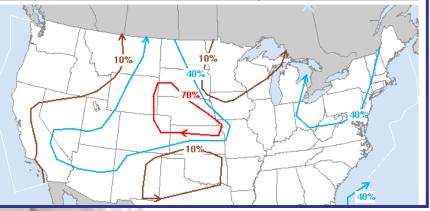
Product Definition Document (PDD) in HTML or MS-Word.

Please send your comments for this product to spc.feedback@noaa.gov.

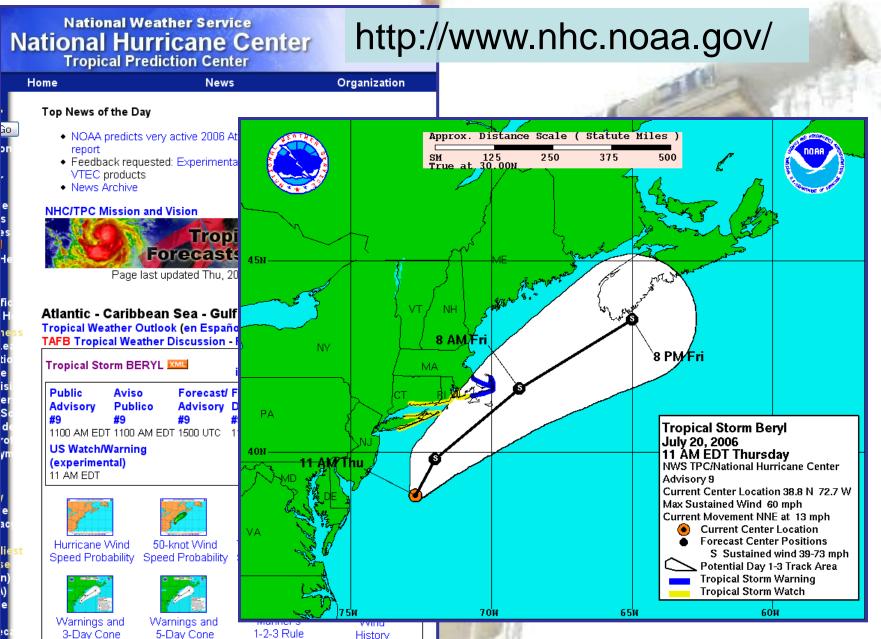
Experimental Enhanced Thunderstorm Graphic valid until 3Z



Experimental Enhanced Thunderstorm Graphic valid from 3Z to 12Z



National Hurricane Center



NWS Louisville Front Page



HAZARDOUS WEATHER OUTLOOK NATIONAL WEATHER SERVICE LOUISVILLE KY 1141 AM EDT MON JUL 10 2006

INZ076>079-083-084-089>092-KYZ023>843-045>049-053>057-061>067-

ORANGE IN-WASHINGTON IN-SCOTT IN FFERSON IN-DUBOIS INCRAWFORD IN-PERRY IN-HARRISON LOVD IN-CLARK IN-HANCOCK KY-

JEFF SCOI FAYF Radar R.

















GARRARD KY-MADISON KY-BUTLER KY-EDMONSON KY-HART KY-GREEN KY-TAYLOR KY-CASEY KY-LINCOLN KY-LOGAN KY-WARREN KY-SIMPSON KY-ALLEN KY-BARREN KY-MONROE KY-METCALFE KY-ADAIR KY-RUSSELL KY-CUMBERLAND KY-CLINTON KY-1141 AM EDT MON JUL 10 2006

THIS HAZARDOUS WEATHER OUTLOOK IS FOR PORTIONS OF SOUTH CENTRAL INDIANA AND CENTRAL KENTUCKY.

.DAY ONE...THIS AFTERNOON AND TONIGHT.

ISOLATED AFTERNOON THUNDERSTORMS WILL REMAIN CONFINED TO THE SOUTHWEST PORTION OF CENTRAL KENTUCKY TODAY. THUNDERSTORMS WILL OBSCOME MORE NUMEROUS TONIGHT AND GRADUALLY SPREAD TO THE NORTHEAST. THERE WILL BE A CHANCE FOR THUNDERSTORMS ACROSS ALL THE OUTLOOK AREA EXCEPT THE BLUEGRASS REGION OF CENTRAL KENTUCKY BY TUESDAY MORNING. STRONG STORMS ARE NOT EXPECTED.

.DAYS TWO THROUGH SEVEN...TUESDAY THROUGH SUNDAY.

INCREASING HEAT AND HUMIDITY THROUGH THE WEEK WILL ALLOW ISOLATED TO SCATTERED THUNDERSTORMS TO DEVELOP.

A SURFACE TROUGH TO OUR NORTHWEST TUESDAY AND WEDNESDAY WILL BRING SCATTERED CONVECTION. THE GREATEST COVERAGE OF STORMS ARE EXPECTED ACROSS SOUTHERN INDIANA DURING THE AFTERNOON AND EVENING HOURS. THUNDERSTORMS MAY CONTINUE THURSDAY AS WEAK COLD FRONT APPROACHES THE OHIO RIVER. SEVERE STORMS ARE NOT ANTICIPATED AT THIS TIME.

HEAT INDICES...OR THE APPARENT TEMPERATURE...WILL BE NEAR 100 DEGREES DURING LATE AFTERNOON ON THURSDAY...FRIDAY AND SATURDAY.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION IS NOT ANTICIPATED AT THIS TIME.

Hazardous Weather Outlook

First 12-24 hours: lots of detail, updated at least 3 times daily: 0430, 1130, 1630 ET

Days 2-7: longer range outlooks

Requests for spotters, law enforcement

Forecast Discussion

Frequent updates

Technical terminology



AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE LOUISVILLE KY
1133 AM EDT MON JUL 10 2006

.MORNING UPDATE (THIS AFTERNOON)...

MAIN CONCERN FOR THIS AFTERNOON WILL BE TEMPS AND CLOUD COVER.
MODELS SEEM TO BE RUNNING A LITTLE HIGH ON MAX TEMPS SO WILL SCALE
BACK THE CURRENT AFTERNOON FORECAST A DEGREE OR TWO IN MOST
LOCATIONS. THE FAR SOUTHWEST CWA SHOULD SEE MOSTLY CLOUDY SKIES
THIS AFTERNOON SO LOWERED THEIR TEMPS A BIT MORE. FROM SATELLITE
OBSERVATIONS...IT APPEARS CLOUDS WILL BE ENTERING SOUTHWESTERN
CWA AND SPREADING NORTHEASTWARD THROUGHOUT THE DAY SO EDITED
GRIDS TO SHOW THIS PATTERN.

AML

PREVIOUS DISCUSSION...

.SHORT TERM (TODAY AND TONIGHT)...

SHORT WAVE DIVING THROUGH THE GREAT LAKES THIS MORNING WILL PROVIDE THE REGION WITH A NORTHWEST FLOW FOR A BRIEF TIME TODAY. DRIER AIR ABOVE 700MB AND A DESCENT CAP SHOULD KEEP MOST OF THE FORECAST AREA DRY TODAY BUT WE WILL HOLD ONTO ISOLATED SHOWERS AND THUNDERSTORMS OVER THE SOUTHWEST. WE WILL ADD LOW CHANCE POPS TO ALL BUT THE BLUEGRASS REGION OF THE FORECAST AREA TONIGHT AS WINDS SHIFT TO THE SOUTHWEST AND BRING INCREASING MOISTURE INTO THE REGION. PRECIPITATION WILL ALSO BE AIDED BY WEAK SHORT WAVE MOVING THROUGH THE FLOW.

TEMPERATURE FORECAST HAVE BEEN TOO HIGH THE PAST SEVERAL DAYS. 8H READINGS INCREASE A COUPLE OF DEGREES BY OOZ TUESDAY SO MOS NUMBERS SHOULD BE GOOD.

WE HAVE RECEIVED SEVERAL REPORTS OF FOG DEVELOPING ACROSS THE SOUTH AND EAST AS TEMPERATURES DROP TO NEAR THE DEW POINTS. WE WILL ADD PATCHY FOG TO THAT PORTION OF THE FORECAST AREA THIS MORNING. --JA

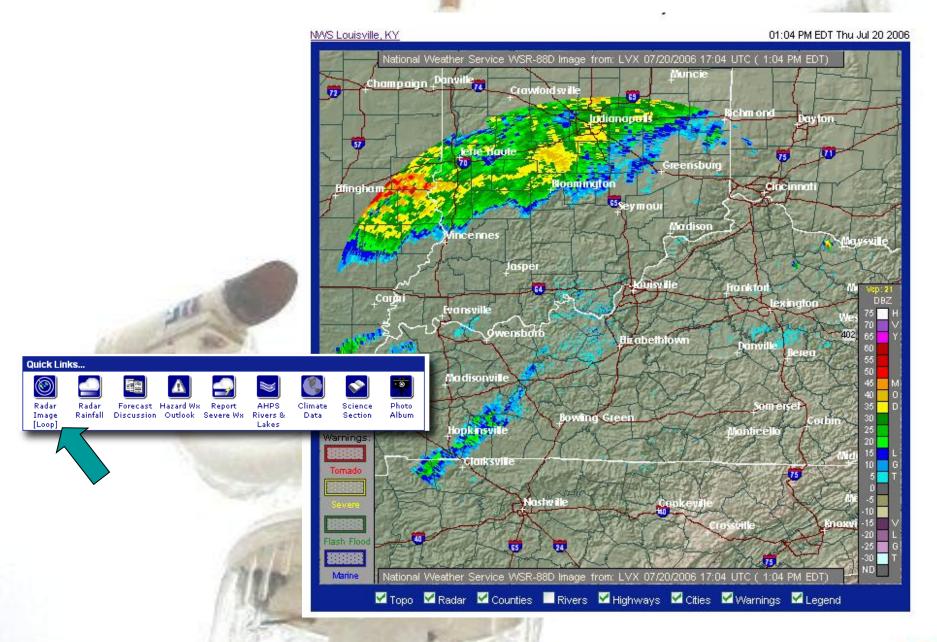
.LONG TERM (TUESDAY THROUGH SUNDAY)...

TUESDAY AND WEDNESDAY...

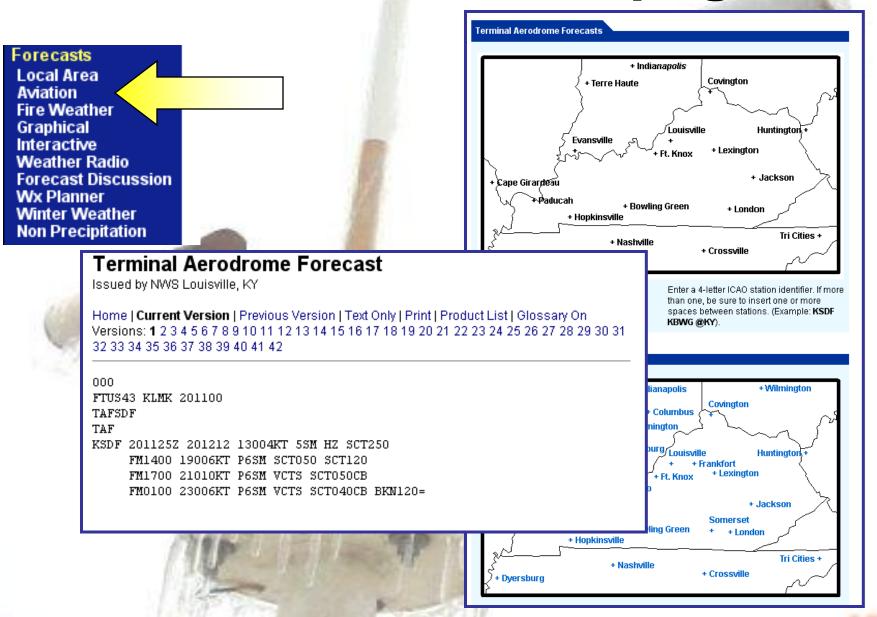
UPPER AIR PATTERN TUESDAY SHOWS ZONAL FLOW NORTH OF THE US-CANADIAN

Graphical Forecasts 61 63 63 Forecasts Local Area 63 وراه هنار وسisville Cincinnati 55 60 / ፩%) Raducah .go. 60 Evan\$Ville ەۋا) Nashville 60 Kno Sky Cover(%) For Fri Jul 21 Experimental (Fri Jul 21 Raducah National Digital Forecast Da Graphic created-Jul 20 11z issuance Nashville WindSpd(Kts) & WindDir For Fri Jul 21 2006 (Fri Jul 21 2006 12Z) National Digital Forecast Database 11z issuance Graphic created-Jul 20 7:22AM EDT

Local Radar Data



Local Aviation Webpage



FAA: Airspace Status

	(Note: This page will refresh every 5 minutes. Last updated Thu, 20 Jul 2006 17:03:48 UTC. Provided by the FAA's Air Traffic Control System Command Center.)														
	NATIONAL PROGRAMS Help														
CONTROL ELEMENT		START	END		SCOPE		REASON			AVG	AAR	PR	ADVZY		
MDW		1300	2359		ALL+CZY_AP		WEATHER			154	16	16	<u>062</u>		
ORD		1019	0259		ALL+CZY_AP		WEATHER/TSTMS			285	68	68	<u>049</u>		
	GROUND STOPS Help														
ARPT	UPD	ATE	TE POE		SCOPE			REASON ADVZ							
MDW	W 1645		ME	MED ZI		D	WX/TSTMS EN RTE			<u>062</u>			<u>062</u>		
	DELAY INFO Help							AIRF	ORT CLOSUR				Help		
ARPT	AD	DD	TIME	REASON				ARPT	TIME	REASC	REASON REOPE			in .	
IAH		+15	1321	DEP VOLUME/MULTI TAXI											
PHL		-30	1536	WX: WIND											
DEICING Help							Runway/Equipment Info								
ARPT AAR/ADR TIME This is not a complete list of the current NOT														consult	
							Facility				Description				

http://www.fly.faa.gov/ois/

Other Sources of Radar/Forecast Data

- College of DuPage*:
 - http://weather.cod.edu/analysis/analysis.radar.html
- NCAR Real-Time Weather Data*:
 - http://www.rap.ucar.edu/weather/
- NWS Hydrometeorological Prediction Center
 - http://www.hpc.ncep.noaa.gov/
- Navy Research Lab Tropical Cyclone Page*
 - http://www.nrlmry.navy.mil/tc_pages/tc_home.html

^{*} The NWS provides a link to these sites because they may contain related information of interest to you. These links do not constitute an endorsement by the NWS of any information, products or services on these sites.

Places to Learn about Meteorology

- NWS Jet Stream Online Weather School (includes extensive radar & satellite training)
 - http://www.srh.noaa.gov/jetstream/
- UCAR MetEd (very technical, but includes many Aviation related modules)*
 - http://www.meted.ucar.edu/
- Univ. of Illinois Meteorology Modules*
 - http://ww2010.atmos.uiuc.edu/(GI)/guides/home.rxml

^{*} The NWS provides a link to these sites because they may contain related information of interest to you. These links do not constitute an endorsement by the NWS of any information, products or services on these sites.

